

Applicant : Jiro Kishimoto et al.  
Serial No. : 09 822,722  
Filed : March 30, 2001  
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Attorney's Docket No.: 10287-058001 MGH 1471.2

REMARKS

Applicants hereby submit that the enclosures fulfill the requirements under 37 C.F.R. §1.821-1.825. The amendments in the specification merely insert the paper copy of the Sequence Listing and sequence identifiers in the specification. No new matter has been added.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: \_\_\_\_\_

15 Oct 01

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**"Version With Markings to Show Changes Made"**

In the specification:

Paragraph beginning at page 22, line 2, has been amended as follows:

Total RNA was isolated and RT PCR performed as described in Kishimoto et al. (1999) *Proc. Natl Acad. Sci. USA* 96:7336-7341, using an annealing temperature of 58°C. The primers employed are listed below. With the exception of Wnts 4, 5 and 7, the primers were designed to distinguish between mouse and chicken orthologues and the lack of cross reaction to chick sequences was confirmed on cDNA from feeder cells alone.

Wnt3: G CGC CCT GGC TCA CTA C (SEQ ID NO:1)

and ATG CTG CTG CTG CTG GCC (SEQ ID NO:2) for 30 cycles

Wnt4: TGA TCC AGA GGC AGG TGC AG (SEQ ID NO:3)

and CTT CTC CAG TTC TCC ACT GC (SEQ ID NO:4) for 36 cycles

Wnt5a: CTG TTG AC TGC ACC AGC TT (SEQ ID NO:5) and

TCA AGG AAT GCC AGT ACC AGT ACC AG (SEQ ID NO:6) for 30 cycles

Frizzled-7: CTG CTA GAG GAC CGT GCC (SEQ ID NO:7)

and AGG TGC GTT CCC AGT GCT (SEQ ID NO:8) for 36cycles

Disheveled-2: CAT CCT TCA GCA GTG TCA (SEQ ID NO:9)

and CGT CAT TGT CAT TCA GAG (SEQ ID NO:10) for 36 cycles

GSK-3 : CAG GGC ACC AGA GTT GAT (SEQ ID NO:11)

and GCA GAA GCG GCG TTA TTG (SEQ ID NO:12) for 30 cycles

-catenin: CCA CCA GCT AGG CGC ACT (SEQ ID NO:13)

and GGG CTC AGA GGG TCC GAG (SEQ ID NO:14) for 30 cycles

LEF-1: ACT GTC AGG CGA CAC TTC C (SEQ ID NO:15)

and TGC ACG TTG GGA AGG AGC (SEQ ID NO:16) for 36 cycles

Shh: for 30 cycles [(SEQ ID NO:17 & 18)]

Patched-1: AGC CTC ACA GTA ACA CCC (SEQ ID NO:[20] 17)

and TGT TCT CCT CCA GCA TGA (SEQ ID NO:[21] 18) for 36 cycles

Gli-1: TTG GGG ATG CTG GAT GGG (SEQ ID NO:[22] 19)

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and CGG TCA CTG GCA TTG CTA (SEQ ID NO:[23] 20) for 36 cycles  
-actin: 5'-CCA CAC CCG CCA CCA GTT C-3' (SEQ ID NO:[24] 21)  
and 5'-GAGGAAGAGGATGCGGCA-3' (SEQ ID NO:[25] 22) for 26 cycles  
GFP: 5'-TGCAGTGCTTCAGCCGCTAC- 3' (SEQ ID NO: [26] 23) [AND] and  
5'-CTCGTTGGGGTCTTTGCTCA-3' (SEQ ID NO: [27] 24) for 26 cycles.